

**ABSTRACT**

Methods of crimping polymeric stents that simultaneously apply a radial force to the stent to reduce the diameter of the stent and a longitudinal force to elongate of the stent.

- 5 According to one such method, a stent is inserted into an elastic tube having an inner surface that defines a passage. The tube is pulled to cause stretching of the tube. When the tube is stretched, the inner surface of the tube engages an outer surface of the stent and applies simultaneous longitudinal and radial forces to the outer surface of the stent. The simultaneously applied longitudinal and radial forces simultaneously reduce a radial extent of
- 10 the stent and increase a longitudinal extent of the stent.